

# Subject Index

## A

- Aborigines, Australian, life-style effect on insulin secretory response, 31
- Alcohol and diabetes, Review, 629
- , drinking and diabetes, Youth Education, 387
- , effect on symptomatic peripheral neuropathy in diabetic men, Brief Communication, 245
- Ambulatory care,
  - , multidisciplinary, diabetic children, Letter and Reply, 397, 398
  - , patient management, diabetes and pregnancy, Symposium, 77
- Amino acids, gestational diabetes and diurnal profiles of plasma glucose, lipids, and Workshop-Conference, 402
- Autonomic neuropathy, dietary fiber effect on glucose and hormone responses to mixed meal, 515
- , postural hypotension and nitroglycerin, 27

## B

- Bacteriuria, and diabetes mellitus, Review, 187
- Basement membrane thickening, pulse volume and, with improved glucose control and exercise in insulin-dependent diabetes mellitus, 586
- Behavioral and psychosocial issues in diabetes, Proceedings of the National Conference, Summary, 379
- Biostator Glucose Controller, programming of an open-loop insulin infusion device, Proceedings, 278
- Blood glucose, control and pregnancy, Symposium, 69
- , essential biofeedback, self-monitoring, 163
- Blood glucose monitoring, pregnancy complications in ambulatory patients, Symposium, 77
- , Symposium, 57
- Blood glucose, self-management, insulin-dependent diabetic patients in Great Britain, Symposium, 100
- Books, 572, 709
- Bran effects on glucose kinetics and plasma insulin in non-insulin-dependent diabetes mellitus, 520
- Brief Communications, 242, 245, 248, 250, 526, 530, 533, 535, 672, 675, 679

## C

- Cardiovascular risk factors, peripheral vascular disease in diabetes mellitus, Doppler ultrasonic screening, 207
- Case Reports, 537, 611
- Cerebrospinal fluid, chlorpropamide-induced hypoglycemia and, Brief Communication, 248
- Children, common cold and diabetes, Letter, 204
- , diabetic ketoacidosis, high- and low-dose insulin by continuous intravenous infusion, 15
- , hemoglobin A<sub>1c</sub> levels, in diabetes mellitus, 503
- , learning device for juvenile diabetic, 668
- , multidisciplinary ambulatory care, Letter and Reply, 397
- Chlorpropamide-induced hypoglycemia, cerebrospinal fluid examination and, Brief Communication, 248
- Clinic-monitoring of home blood samples, day-to-day variability, 171
- Closed-loop system, practical and theoretical discussion, Proceedings, 318
- Commentary, 394
- Community outreach in diabetes, Kentucky protocol, Letter, 201
- Concluding remarks, home blood glucose monitoring, Symposium, 148
- Continuing care program, Memphis program, Special Article, 382
- Contraception, insulin-dependent women and, Review, 557
- C-peptide, HLA antigens and, in long-standing juvenile diabetes, Letter, 703
- Cyanide, dietary, tropical malnutrition diabetes and, Letter, 703

## D

- Diabetes mellitus, bran effect on glucose kinetics and plasma insulin, 520
- , classification of types, Editorial, 395
- , clinical features, Japan studies, Special Article, 374
- , computer-planned menus, 663
- , continuous subcutaneous insulin infusion, Proceedings, 290

- , glycosylated hemoglobin in, 508
  - , hemoglobin A<sub>1c</sub> levels in children and adolescents, 503
  - , hyperinsulinism complicating control by artificial beta-cell, Proceedings, 274
  - , infection and, Review, 187
  - , insulin-dependent, retinal vascular permeability, blood glucose control, 184
  - , insulin-treated discrepancies between glycosuria and home estimates of blood glucose, 178
  - , metabolic control in insulin-dependent, Proceedings, 369
  - , parameters of control, Symposium, 88
  - , peripheral vascular disease and cardiovascular risk factors, Doppler ultrasonic screening, 207
  - , public health problem, Guam studies, 235
  - , selecting criteria for diagnosis, Editorial, 565
  - , self-management and insulin dependence, Symposium, 83
  - , smoking and insulin requirements, metabolism in, 41
  - Diabetic complications, prevention and reversal, Symposium, 94
  - Diabetic gastroparesis without autonomic neuropathy, Letter, 200
  - Diet, alcohol and diabetes, Review, 629
  - , baby food exchanges and feeding in diabetic infant, Special Article, 554
  - , computer-planned menus and diabetes mellitus, 663
  - , cyanide and tropical malnutrition diabetes, Letter, 703
  - , fast food restaurants, Policy Statement, 389
  - , fiber effects on glucose and hormone responses to mixed meal, 515
  - , glucose and insulin response to high carbohydrate meals, and maturity-onset diabetic subjects, Brief Communication, 242
  - , mineral and vitamin and high-fiber diets, long-term studies in diabetic patients, 38
  - , obesity in pregnancy, Workshop-Conference, 476
  - Disposable syringes, reuse, Letter, 398
- E**
- Editorials, 198, 395, 561, 563, 565, 638
  - Education, deterioration of diabetic patients' knowledge and management skills, 214
  - , diabetic staff simulation of insulin-dependent diabetic life, Brief Communication, 679
  - , insulin-dependent diabetes and, 160
  - , learning device for juvenile diabetic children, 668
  - , patient compliance, Australian studies, Symposium, 108
  - , self-management and allied health professionals, Symposium, 121
  - , self-management and diabetic patients, Symposium, 134
  - , teaching the diabetic patient, Symposium, 127
  - Electrocardiogram, monitoring in diabetic ketoacidosis, Case Report, 543
  - Electronically controlled insulin delivery systems, Proceedings, 345
  - Electronic flow rate controller, portable insulin infusion pump, Proceedings, 332
  - Endocrine pancreas transplantation, Editorial, 560
  - Exercise, basement membrane thickening and pulse volume with insulin-dependent diabetes mellitus, 586
  - , non-insulin-dependent diabetes and, Practical Diabetes, 627
- F**
- Family and diabetes management, Review, 696
  - Fast food restaurant, Policy Statement, 389
  - Fasting serum glucose, and hemoglobin A<sub>1</sub>, plasma anti-thrombin III and thrombin generation time, 655
  - Fetal development, maternal hyperglycemia and, Workshop-Conference, 435
  - Fetal macrosomia, animal models, Workshop-Conference, 430
  - Fiber, high-content diet, mineral and vitamin status, long-term studies in diabetic patients, 38
  - Flow rate controller, electronic, for portable insulin infusion pump, Proceedings, 332
  - Fructose, carbohydrate metabolism after sucrose, sorbitol, and, 582
  - , oral, effects in normal, diabetic, and impaired glucose tolerance subjects, 575
  - , xylitol, and sorbitol, Review, 390
- G**
- Gestational diabetes, community-based screening, Ohio studies, Workshop-Conference, 453
  - , diurnal profiles of plasma glucose, lipids, and amino acids, Workshop-Conference, 402
  - , individualized intervention, Workshop-Conference, 495, 497
  - , infant and maternal complications, Pima Indian studies, Workshop-Conference, 458
  - , insulin treatment and high risk groups, Workshop-Conference, 482
  - , maximum tolerated insulin therapy, Workshop-Conference, 489
  - , perinatal islet function, cord plasma C-peptide and amniotic fluid insulin assessment, Workshop-Conference, 425
  - , philosophical and practical aspects of public health problem, Workshop-Conference, 399
  - , screening, philosophy, techniques, and outcome, Workshop-Conference, 437
  - , screening, Workshop-Conference, 468
  - , summary and recommendations, report of workshop chairmen, Workshop-Conference, 499
  - , White Classification and, Commentary, 394
  - Glucagon responses to hypoglycemia, after 24-hour gluco-

- regulation by glucose-controlled insulin infusion, Proceedings, 285
- Glucoregulation, glucagon responses to hypoglycemia by glucose-controlled insulin infusion, Proceedings, 285
- Glucose, fasting blood, monitoring of, and body weight, and maturity-onset diabetes, 607
- Glucose homeostasis, in healthy subjects, Symposium, 58
- , role of liver, Proceedings, 261
- Glucose, plasma, gestational diabetes, diurnal profiles of, lipids, and amino acids, Workshop-Conference, 402
- , production, systemic, normal and diabetic pregnancy, Workshop-Conference, 410
- , renal threshold, danger in changing, Letter, 570
- , utilization, insulin kinetics, models, and delivery schedule, Proceedings, 266
- Glucose test, urine, isoniazid noneffect, 44
- Glucose tolerance, blood lipids and, in bran-fed patients with impaired tolerance, 46
- , impaired, oral fructose effects, 575
- , relatives of diabetic patients, prognostic value of oral glucose tolerance, 21
- Glycemia, maternal, relationship to macrosomia, Workshop-Conference, 433
- Glycemic control, blood glucose in pregnant diabetic patients, Symposium, 69
- Glycemic stability, characteristics of, Symposium, 58
- Glycosuria, and home estimates, discrepancies in blood glucose in insulin-treated diabetes mellitus, 178
- , "plus system" of reporting, Letter, 568
- , teenage diabetic patient and interpretation of, Symposium, 112
- Glycosylation, variant hemoglobin in normal and diabetic subjects, 590
- Guar gum, effect on 24-hour insulin requirements of insulin-dependent subjects assessed by artificial pancreas, 659

## H

- Health belief model, and compliance in diabetes mellitus, 594
- Health, self-assessment, in diabetic patients, 599
- Hemoglobin A<sub>1</sub>, plasma antithrombin III and thrombin generation time, and fasting serum glucose in young diabetic women, 655
- Hemoglobin A<sub>1c</sub>, children and adolescents with diabetes mellitus, 503
- Hemoglobin, glycosylated, identification of psychological problems and, Editorial, 563
- , in diabetes mellitus, fasting plasma glucose, serum lipids, glycosuria and, 508
- Hemoglobin, glycosylation of variant, in normal and diabetic subjects, 590
- Home blood glucose monitoring, evaluation of methods, 150
- Hyperglycemia, effects on fetal development, Workshop-Conference, 425

- , lipoprotein lipids and diabetes in pregnancy, Workshop-Conference, 416
- , maternal, fetal development effects, Workshop-Conference, 435
- Hyperinsulinism, control of diabetes mellitus by artificial beta-cell, Proceedings, 274
- Hypoglycemia, beta blockers and, Letter, 204
- , chlorpropamide-induced, cerebrospinal fluid examination and, Brief Communication, 248
- , glucagon responses, after 24-hour glucoregulation by glucose-controlled insulin infusion, Proceedings, 285
- , hemostatic parameters in juvenile-onset diabetes, Brief Communication, 675

## I

- Implantable drug infusion device, model with single flow rate and modulated insulin infusion design, Proceedings, 351
- Infection, diabetes mellitus and, Review, 187
- Insulin, amniotic fluid, and cord plasma C-peptide assessment of perinatal islet function in gestational diabetes, Workshop-Conference, 425
- , and glucose response to high carbohydrate meals, Brief Communication, 242
- , continuous intravenous delivery, portable system, 1
- , continuous intravenous infusion, diabetic ketoacidosis in children, comparison of doses, 15
- , continuous subcutaneous infusion, 643
- , continuous subcutaneous infusion and diabetes mellitus, Proceedings, 290
- , contraception and dependence, Review, 557
- , delivery, intraperitoneal, subcutaneous, and intravenous delivery, 219
- , delivery, peritoneum, route for a mechanical pancreas, 229
- , delivery, programmed, normalization of plasma insulin profiles, 9
- , engineering aspects of delivery systems, Proceedings, 345
- , glucose-controlled infusion, glucagon responses to hypoglycemia after 24-hour glucoregulation, Proceedings, 285
- , immunologic reactions to, Letter, 204
- , implantable infusion device with single flow rate, Proceedings, 351
- , infusion, miniature peristaltic pump and silicone rubber reservoir, Proceedings, 322
- , intermediate-acting preparations, NPH and lente, Special Article, 623
- , kinetics, models, and delivery schedule, Proceedings, 266
- , long-term vascular access, devices and methods for infusion, Proceedings, 338
- , low-dose therapy, efficacy for severely obtunded patients in diabetic ketoacidosis, 53

- , management in dependent diabetic patients, Symposium, 63
  - , maximum tolerated therapy in gestational diabetes, Workshop-Conference, 489
  - , multiple daily subcutaneous doses, Letter, 704
  - , "normal" secretion, goal of artificial insulin delivery systems, Proceedings, 270
  - , open-loop infusion device, programming from the Biostator Glucose Controller, Proceedings, 278
  - , physiology, role of liver, Proceedings, 255
  - , plasma, bran effects in non-insulin-dependent diabetes mellitus, 520
  - , plethora of preparations, Editorial, 638
  - , program-controlled portable delivery devices, Proceedings, 362
  - , prolonged peritoneal infusion in diabetic man, Proceedings, 314
  - , "pseudoresistance" in diabetic ketoacidosis, Letter, 568
  - , secretion, life-style effect on response in Australian Aborigines, 31
  - , self-administration by hemiplegic patient, Letter, 705
  - , smoking effects on requirements and metabolic status in diabetes mellitus, 41
  - , treatment and high risk groups in gestational diabetes, Workshop-Conference, 482
  - , treatments for the early 80s, Special Article, 615
  - Insulin-dependence, home monitoring of blood glucose, Great Britain studies, Symposium, 100
  - , unstable, blood glucose self-monitoring, feasibility of, 155
  - Insulin-dependent diabetes, control with portable miniaturized infusion pumps, Proceedings, 309
  - , glycemic control program, 160
  - Insulin-dependent diabetes mellitus, basement membrane thickening and pulse volume, improved glucose control and exercise, 586
  - , blood glucose control effect on retinal vascular permeability, 184
  - , self-management and, Symposium, 83
  - Insulin-dependent diabetic life, diabetic staff simulation of, Brief Communication, 679
  - Insulinoma, metastasizing, genesis of Islets of Langerhans and, Case Report, 537
  - Insulin syringes, generic nonequivalence, Letter, 205
  - Internal medicine, diabetes in literature, Mini-Review, 682
  - Intraperitoneal insulin delivery, subcutaneous and intravenous comparisons, 219
  - Intravenous infusion, continuous, comparison of low- and high-dose insulin in diabetic ketoacidosis in children, 15
  - Intravenous insulin, continuous, delivery, portable system, 1
  - Intravenous insulin delivery, comparison to intraperitoneal and subcutaneous delivery, 219
  - Islets of Langerhans, nesidioblastosis, islet cell hyperplasia, and adenomatosis in metastasizing insulinoma, Case Report, 537
  - Isoniazid, noneffect on urine glucose tests, 44
- J**
- Juvenile diabetes, C-peptide and HLA antigens and, Letter, 703
  - , self-monitoring of blood glucose during pregnancy, 175
  - Juvenile-onset diabetes, continuous euglycemia under non-invasive closed-loop control, Symposium, 140
  - , hypoglycemia and hypostatic parameters, Brief Communication, 675
  - , subcutaneous insulin infusion, portable pump, Proceedings, 301
- K**
- Ketoacidosis, electrocardiogram monitoring and, Case Report, 543
  - , high- and low-dose insulin by continuous intravenous infusion, comparison in diabetic children, 15
  - , low-dose insulin therapy in severely obtunded patients, 53
  - , diabetic, insulin pseudoresistance, Letter, 568
  - , diabetic lipemia, in childhood, clue to acute pancreatitis, Letter, 706
  - , diabetic, potassium phosphate and potassium chloride in, Letter, 569
- L**
- "Labile" juvenile-onset diabetes, noninvasive closed-loop control, Symposium, 140
  - Lente and NPH, intermediate-acting insulin preparations, Special Article, 623
  - Lesions, nonspecific and diabetes-specific, Symposium, 94
  - Letters to the Editor, 200, 201, 202, 204, 205, 397, 398, 567, 568, 569, 570, 640, 644, 703, 704, 705, 706
  - Life-style, insulin secretory response in Australian Aborigines, and environment, 31
  - Lipemia, diabetic ketoacidosis in childhood and, acute pancreatitis, Letter, 706
  - Lipids, blood, glucose tolerance and, in bran-fed patients with impaired tolerance, 46
  - , gestational diabetes and diurnal profiles of plasma glucose, amino acids and, Workshop-Conference, 402
  - , lipoprotein, relation to fasting hyperglycemia and diabetes in pregnancy, Workshop-Conference, 416
  - Liver, role in glucose homeostasis, Proceedings, 261
  - , role in insulin physiology, Proceedings, 255
- M**
- Macrosomia, fetal, animal models, Workshop-Conference, 430
  - , maternal glycemia and, Workshop-Conference, 433
  - Maturity-onset diabetes, glucose and insulin response to high carbohydrate meals, Brief Communication, 242
  - , monitoring fasting blood glucose and body weight, 607
  - Mechanical pancreas, peritoneum as insulin delivery site, 229
  - Medical writing, books on, Editorial, 198



- Metabolic control, assessment in insulin-dependent diabetes mellitus, Proceedings, 369
- Metabolism, implications of mild disturbances in maternal carbohydrate intolerance, Workshop-Conference, 399
- , postpartum sensitivity, gestational diabetic women, oral contraceptive agents and stress, Workshop-Conference, 421
- Metabolism, carbohydrate, abnormality screening in pregnancy, Ireland studies, Workshop-Conference, 440
- , after sucrose, sorbitol, and fructose, 582
- Microangiopathy, diabetic, and smoking, Brief Communication, 250
- Mini-Review: Recent Literature, diabetes in internal medicine, 682
- Monitoring diabetic control, evaluation of methods, 150
- Myocardial infarction, clinical course in diabetic patients, Brief Communication, 526
- , diabetes and, Letter, 707
- Nephropathy, diabetic, ocular surgery and, Brief Communication, 530
- Neuropathy, peripheral, alcohol effects in diabetic men, Brief Communication, 245
- Nitroglycerin, postural hypotension in diabetic autonomic neuropathy, 27
- Non-insulin-dependent diabetes, exercise and, Practical Diabetes, 627
- , public health problem, Guam studies, 235
- Noninvasive closed-loop control, labile juvenile-onset diabetes, Symposium, 140
- "Normal" insulin secretion, goal of artificial insulin delivery systems, Proceedings, 270
- NPH and lente, intermediate-acting insulin preparations, Special Article, 623
- Nutrition, requirement in normal pregnancy, Workshop-Conference, 472
- O**
- Obesity, pregnancy and, dietary advice, Workshop-Conference, 476
- Ocular surgery, diabetic nephropathy and, Brief Communication, 530
- Open-loop insulin infusion device, programming from the Biostator Glucose Controller, Proceedings, 278
- Open-loop micropump insulin delivery system, Proceedings, 359
- Oral contraceptives, sensitivity of postpartum gestational diabetic women to, and other metabolic stress, Workshop-Conference, 421
- Oral fructose, effects in normal, diabetic, and impaired glucose tolerance subjects, 575
- Oral glucose tolerance test, low prognostic value in relatives of diabetic patients, 21
- Otitis, malignant external, Case Report, 611
- P**
- Pancreas, artificial, guar gum effect on 24-hour insulin requirements, 659
- , mechanical, peritoneum as insulin delivery site, 229
- Pancreatitis, acute, diabetic lipemia in childhood diabetic ketoacidosis, Letter, 706
- Parental attitudes toward diabetes, Review, 696
- Patient compliance, and health belief model in diabetes mellitus, 594
- , diabetes and new techniques for, Australian studies, Symposium, 108
- , perception of severity of disease and, Brief Communication, 533
- , self-management and the physician, Symposium, 124
- Patient panel, home blood glucose monitoring, Symposium, 144
- Pectin, normal subjects, noneffect on serum glucose and insulin, 50
- Perinatal islet function, in gestational diabetes, cord plasma C-peptide and amniotic fluid insulin, Workshop-Conference, 425
- Perinatal morbidity, pregnancy and screening, Workshop-Conference, 447
- Peripheral vascular disease, population-based cohort of diabetic patients, 650
- Peristaltic pump, miniature, and silicone rubber reservoir for insulin infusion, Proceedings, 322
- Peritoneal insulin infusion, prolonged administration in a diabetic man, Proceedings, 314
- Peritoneum, potential insulin delivery route for mechanical pancreas, 229
- Plasma antithrombin III, thrombin and, generation time, correlation with hemoglobin A<sub>1</sub> and fasting serum glucose in young diabetic women, 655
- Plasma insulin profiles, normalization, with programmed insulin delivery, 9
- Policy statement, fast food restaurants, 389
- Portable pumps, continuous intravenous delivery system, 1
- , electronic flow rate controller for insulin infusion, Proceedings, 332
- , miniature peristaltic pump and silicone rubber reservoir and insulin infusion, Proceedings, 322
- , miniaturized infusion systems and insulin-dependent diabetes, Proceedings, 309
- , program-controlled, Proceedings, 362
- , programmable open-loop micropump insulin delivery system, Proceedings, 359
- , subcutaneous insulin infusion in juvenile-onset diabetes, Proceedings, 301
- Postural hypotension by nitroglycerin in diabetic autonomic neuropathy, 27
- Practical Diabetes, 627
- Pregnancy counseling, prelude to managing of the pregnant diabetic patient, Special Article, 371
- Proceedings of the Kroc Foundation International Conference on Insulin Delivery Devices, 253
- Programmed insulin delivery, normalization of plasma insulin profiles, 9
- Psychology, factors and responses in self-managed patients, Symposium, 117

- Public health, diabetes mellitus, Guam studies, 235  
 —, gestational diabetes, philosophical and practical aspects, Workshop-Conference, 399  
 Pulse volume, basement membrane thickening, and, with improved glucose control and exercise in insulin-dependent diabetes mellitus, 586  
 Pregnancy, abnormality screening of carbohydrate metabolism, Ireland studies, Workshop-Conference, 440  
 —, ambulatory patient management and diabetes, Symposium, 77  
 —, blood glucose control and, Symposium, 69  
 —, diabetes and uniform data reporting, Letter, 705  
 —, early diabetes during, Workshop-Conference, 465  
 —, glucose production, systemic, in normal and diabetic, Workshop-Conference, 410  
 —, infant and maternal complications, Pima Indian studies, Workshop-Conference, 458  
 —, lipoprotein lipids, fasting hyperglycemia and diabetes in, Workshop-Conference, 416  
 —, management in insulin-dependent diabetic patients, Symposium, 63  
 —, nutritional requirements during, Workshop-Conference, 472  
 —, obesity and, dietary advice, Workshop-Conference, 476  
 —, philosophical and practical aspects of public health problem, carbohydrate intolerance, Workshop-Conference, 399  
 —, plasma glucagon levels in insulin-dependent patients, Letter, 202  
 —, postpartum sensitivity of diabetic women to oral contraceptive agents and metabolic stress, Workshop-Conference, 421  
 —, pregnancy counseling, Special Article, 371  
 —, screening and perinatal morbidity, Workshop-Conference, 447  
 —, self-monitoring of blood glucose in patients with juvenile diabetes, 175
- R**
- Renal threshold, interpretation of urine test for glucose in diabetic patients, Brief Communication, 672  
 Retinal vascular permeability, self-management, blood glucose control in insulin-dependent diabetes mellitus, 184  
 Review, 187, 390, 557, 629, 696
- S**
- Screening, carbohydrate metabolism abnormalities, in pregnancy, Ireland studies, Workshop-Conference, 440  
 —, gestational diabetes, criteria for, Workshop-Conference, 437  
 —, gestational diabetes, pilot program, Ohio studies, Workshop-Conference, 453  
 —, gestational diabetes, Workshop-Conference, 468  
 —, high-risk population, Workshop-Conference, 486  
 —, pregnancy and perinatal morbidity, with maternal impairment of glucose tolerance, Workshop-Conference, 447  
 Self-administration of insulin by hemiplegic patient, Letter, 705  
 Self-assessed health in diabetic patients, 599  
 Self-management, blood glucose in pregnancy in patients with juvenile diabetes, 175  
 —, clinic-monitoring and, home blood samples, 171  
 —, closed-loop system, Proceedings, 318  
 —, control of diabetes mellitus, Symposium, 88  
 —, deterioration of diabetic patients' knowledge and management skills, 214  
 —, education of diabetic patients, Symposium, 134  
 —, evaluation of monitoring methods, 150  
 —, home glucose monitoring without a meter, Letter, 640  
 —, insulin-dependent diabetes mellitus and, Symposium, 83  
 —, insulin-dependent patients in Great Britain, Symposium, 100  
 —, patient compliance and the physician, Symposium, 124  
 —, patient compliance, Australian studies, Symposium, 108  
 —, psychological factors and responses in, Symposium, 117  
 —, See Symposium on Home Blood Glucose Monitoring, 57  
 Self-monitoring, discrepancies between glycosuria and home estimates of blood glucose in insulin-treated diabetes mellitus, 178  
 Self-monitoring of blood glucose, biofeedback signals, 163  
 —, feasibility in unstable insulin-dependent diabetes, 155  
 Silicone rubber reservoir, miniature peristaltic pump and, for insulin infusion, Proceedings, 322  
 Smoking, association with insulin requirement and serum triglyceride level, Letter, 641  
 —, diabetic microangiopathy and, Brief Communication, 250  
 —, influence on insulin requirement and metabolic status in diabetes mellitus, 41  
 Sodium, water ratio in CSF and serum, Letter, 569  
 Sorbitol, carbohydrate metabolism after sucrose, fructose, and, 582  
 —, fructose, and xylitol, Review, 390  
 Special Article, insulin treatment for the early 80s, 615  
 —, intermediate-acting insulin preparations, NPH and lente, 623  
 —, research and training centers, 548  
 Subcutaneous insulin infusion, continuous, in treatment of diabetes mellitus, Proceedings, 290  
 —, control of diabetes and, 643  
 —, intraperitoneal and intravenous comparisons, 219  
 —, portable pump use in juvenile-onset diabetes, Proceedings, 301  
 Sucrose, carbohydrate metabolism after sorbitol, fructose, and, 582  
 Symposium on home blood glucose monitoring, introduction, 57

- Syringes, disposable, reuse, Letter, 398
- T**
- Teenage diabetes, interpretation of glycosuria, Symposium, 112
- Tetracycline, oral, noneffect on urine glucose determination, Letter, 567
- Therapy, insulin, treatment for the early 80s, Special Article, 615
- U**
- Ultrasonic screening, peripheral vascular disease, diabetes mellitus and cardiovascular risk, 207
- Urine glucose concentration, accuracy of determinations, Brief Communication, 535
- Urine glucose test, influence of renal threshold on interpretation, Brief Communication, 672
- , noneffect of isoniazid, 44
- , noneffect of oral tetracycline, by copper reduction method, Letter, 567
- V**
- Vascular access, blood sampling and insulin infusion, new devices and methods for long-term, Proceedings, 338
- Vascular disease, peripheral, diabetes mellitus and cardiovascular risk, Doppler ultrasonic screening, 207
- , incidence and prevalence in population-based cohort of diabetic patients, 650
- W**
- Weight, monitoring of, and fasting blood glucose, and maturity-onset diabetes, 607
- White Classification, gestational diabetes and, Commentary, 394
- X**
- Xylitol, fructose, and sorbitol, Review, 390
- Y**
- Youth Education, drinking and diabetes, 387

# Author Index

## A

Abourizk, N.,	530	Benz, Marian M.,	554
Adam, Peter A. J.,	410	Bergelin, Robert,	416
Aiello, L. M.,	530	Berman, Mones,	266
Akerman, Kim,	31	Berninger, D.,	21
Akgün, Suat,	582	Bernstein, Richard K.,	140, 184
Alberti, K. G. M. M.,	290, 369	Binder, C.,	41
Albisser, A. Michael,	1, 322, 332, 338	Blackshear, Perry J.,	351
Alejandro, Rodolfo,	709	Bleicher, Sheldon J.,	57, 148, 184, 205
Aleyassine, H.,	508	Bloom, Arnold,	398
Allen, Richard C.,	270	Bloom Cercone, Kathy A.,	599
Alling, Katharine,	160	Boehm, John J.,	425
Allison, Simon,	150, 672	Bolton, T. M.,	520
Alogna, Maria,	533	Bonnevie-Nielsen, V.,	659
Alot, Aleksandra,	526	Borberg, C.,	476
American Diabetes Association Committee on Food and Nutrition,	389	Bosello, Ottavio,	46
—, Scientific Advisory Panel of the Executive Committee,	389	Briones, J. C.,	530
Anderson, Barbara J.,	696	Brodsky, Sidney J.,	543
Anderson, James W.,	38	Brownlee, Michael,	318
Arastu, M. Ishaq,	530	Brunner, E. J.,	476
Armellini, Fabio,	46	Buchwald, Henry,	351
Arora, T.,	530	Burghen, George A.,	15
Auslander, Wendy F.,	696	Burkett, Gene,	69
		Byam, Carmen,	205

## B

Baba, Shigeaki,	374	Caesar, Audrey,	205
Bahoric, A.,	338	Camerini-Davalos, Rafael A.,	465
Bair, R. E.,	345	Campbell, Ian W.,	27, 245
Baird, Robert,	458	Caracciolo, Vince,	205
Bali-Taubald, Christine,	163	Carlson, G. A.,	345
Barbosa, Jose,	155	Cerami, Anthony,	318
Barsotti, Michael M.,	569	Chapman, Margaret,	416
Beard, R. W.,	468, 476	Cheely, Jean,	214
Becker, B.,	184	Chen, Wen-Ju Lin,	38
Becker, Dorothy,	535	Chez, Ronald A.,	435
Beebe, L. Courtenay,	568	Child, Pat T.,	515
Becken, Ruth K.,	627	Chou, Margaret C. Y.,	255
Belmonte, Mimi,	643	Christiansen, J. Sandahl,	659
Bennett, Peter H.,	235, 458	Christiansen, M. S.,	41
		Citrin, Wendy,	563
		Clarke, Basil F.,	27, 245



- |                        |                                 |                         |               |
|------------------------|---------------------------------|-------------------------|---------------|
| Clemens, A. H.,        | 278, 359                        | Flexer, Zipora,         | 175           |
| Coburn, P. Chris,      | 535                             | Flückiger, Rudolf,      | 590           |
| Cohn, Marilyn D.,      | 548                             | Forhan, S. E.,          | 82            |
| Cole, R. A.,           | 371                             | Franetzki, M.,          | 362           |
| Colle, Eleanor,        | 643                             | Frankl, Otto,           | 248           |
| Collins, Peggy,        | 201                             | Freinkel, Norbert,      | 399, 402, 425 |
| Crapo, Phyllis A.,     | 390, 575                        | Friedman, Neal M.,      | 314           |
| Curet, Luis B.,        | 77                              |                         |               |
| Czyżyk, Artur,         | 526                             | <b>G</b>                |               |
| <b>D</b>               |                                 | Gabbay, Kenneth H.,     | 590           |
| Dalsgaard Nielsen, J., | 675                             | Gabbe, Steven G.,       | 486           |
| Danowski, T. S.,       | 88, 94, 178                     | Gale, Edwin,            | 150           |
| Davidson, J. C.,       | 703                             | Galloway, John A.,      | 615           |
| Deckert, Torsten,      | 623                             | Gardiner, R. J.,        | 508           |
| De Gado, Fabrizio,     | 202                             | Gargiulo, M.,           | 489           |
| D'Elia, J. A.,         | 530                             | Genel, Myron,           | 301           |
| Depp, Richard,         | 425                             | Gerich, J. E.,          | 278           |
| Dooley, Sharon L.,     | 425                             | Gillmer, M. D. G.,      | 468, 476      |
| Dorman, Frank D.,      | 351                             | Giordano, Joseph A.,    | 611           |
| Drash, Allan L.,       | 379, 535                        | Gold, Larry A.,         | 50            |
| Drury, M. I.,          | 705                             | Goldstein, David E.,    | 503           |
| Duchon, Method A.,     | 453                             | Goldstein, M. B.,       | 569           |
| Dudley, Jacqueline D., | 127                             | Gonen, Boas,            | 274           |
| Duncan, L. J. P.,      | 371, 557                        | Gormsen, J.,            | 675           |
| Duncan, Nina,          | 679                             | Gruft, L.,              | 489           |
| Dupuis, Andre,         | 117                             | Gunn, Philippa J.,      | 468, 476      |
|                        |                                 | Gyves, Michael T.,      | 495           |
| <b>E</b>               |                                 | <b>H</b>                |               |
| Eaton, R. Philip,      | 9, 229, 242, 253, 270, 314, 345 | Hadden, D. R.,          | 440           |
| Ellis, George J., III, | 563                             | Hall, L. D.,            | 278           |
| Elveback, Lila R.,     | 650                             | Hall, Susan E. H.,      | 520           |
| England, Jack D.,      | 503                             | Halperin, M. L.,        | 569           |
| Ensink, John W.,       | 285                             | Hamburg, Beatrix A.,    | 379           |
| Epstein, Leonard H.,   | 535                             | Hanna, Amir K.,         | 1, 705        |
| Erdreich, Linda S.,    | 250                             | Hansen, Barbara C.,     | 548           |
| Ertel, Norman H.,      | 582                             | Harding, Philip,        | 255           |
| Esterly, James A.,     | 586                             | Hare, John W.,          | 394           |
| Etteldorf, James N.,   | 15                              | Harris, Gillian,        | 108           |
| Etzwiler, Donnell D.,  | 121                             | Harris, Rachel,         | 599           |
| Ewing, D. J.,          | 27                              | Hart, Laura K.,         | 594           |
| <b>F</b>               |                                 | Haymond, M. W.,         | 278           |
| Faber, O. K.,          | 41                              | Hepp, K. D.,            | 309           |
| Faiman, Gila,          | 175                             | Herr, Thomas J.,        | 706           |
| Fajans, Stefan S.,     | 565                             | Heston, James V.,       | 668           |
| Fallucca, Francesco,   | 202                             | Hetenyi, G., Jr.,       | 520           |
| Feinglos, Mark N.,     | 204                             | Hewett, John E.,        | 503           |
| Feingold, Kenneth R.,  | 570                             | Higgins, Bruce A.,      | 537           |
| Felig, Philip,         | 301                             | Hilsted, J.,            | 675           |
| Ferguson, R. T.,       | 332                             | Hiregoudar, Mohan L.,   | 568           |
| Ferguson, Susan K.,    | 38, 201                         | Hoet, J. J.,            | 497           |
| Ferrazzi, E.,          | 489                             | Holsinger, Kathleen K., | 69, 433       |
| Field, James B.,       | 255                             | Horwitz, David L.,      | 274           |
| Filler, R. M.,         | 338                             | Houser, Harold B.,      | 453           |
| Fisher, E. R.,         | 88, 94, 178                     | Howe-Davies, S.,        | 607           |
| Fisher, Joseph N.,     | 15                              | Huddleston, John F.,    | 77            |
|                        |                                 | Hume, L.,               | 27            |

**I**

Inoff, Gale E.,  
Irsigler, Karl,  
Irvine, Susan,  
Ishida, Toshihiko,

**J**

Jackman, W. S.,  
Jackson, Robert L.,  
Jackson, W. P. U.,  
Janka, Hans U.,  
Jaspan, Jonathan B.,  
Johnson, Sandra,  
Jones, Robert L.,  
Joron, Guy E.,  
Jovanovic, Lois,  
Joyner, M. Beverly,  
Judd, Sue,

**K**

Kaldany, A.,  
Kalhan, Satish C.,  
Kalkhoff, Ronald K.,  
Kanter, Robert A.,  
Kaplinsky, Naomi,  
Karounos, Dennis,  
Karp, Moshe,  
Kavelman, Douglas A.,  
Keen, H.,  
Keon, Hanna May,  
Kitabchi, Abbas E.,  
Kivelowitz, Terri,  
Klein, Irwin,  
Knopp, Robert H.,  
Knowler, William C.,  
Köbberling, J.,  
Koch, P.,  
Kohler, Elaine,  
Kohner, E. M.,  
Kolterman, Orville G.,  
Kopczynski, Jan,  
Krarup, T.,  
Kresse, H.,  
Kritz, Harald,  
Królewski, Andrzej S.,  
Krosnick, Arthur,  
Krupin, T.,  
Kuberski, Timothy T.,  
Kubilis, Paul,

**L**

Laron, Zvi,  
Lasky, Ilene A.,  
Lawrence, Patricia A.,  
Lazar, Susan J.,  
Lee, T. Y.,  
Leibel, Bernard S.,  
Leichter, Steven B.,

Leong, Anthony S.-Y.,  
Levitt, Naomi S.,  
Linn, Bernard S.,  
Linn, Margaret W.,  
Lipsett, Lois F.,  
Lougheed, W.,  
Love, J. T.,  
Lowy, Clara,

**M**

Macken, Kathleen M.,  
Madsbad, S.,  
Mahan, Clare M.,  
Malone, John I.,  
Marliss, Errol B.,  
Matz, Robert,  
McCourt, Jerome P.,  
McCulloch, David K.,  
McDonald, Janet,  
McLeod, Allen G. W.,  
McNair, P.,  
Mehnert, Hellmut,  
Melilli, Simona,  
Melton, L. Joseph, III,  
Menth, Lois,  
Menzel, Deborah L.,  
Merimee, Thomas J.,  
Merkatz, Irwin R.,  
Merritt, Gerald,  
Mestman, Jorge H.,  
Metzger, Boyd E.,  
Micciolo, Rocco,  
Miller, Joshua,  
Miller, Nadine E.,  
Miller, Stephen T.,  
Mintz, Daniel H.,  
Minuk, Howard L.,  
Mitchell, William,  
Moffitt, P. S.,  
Morita, Soichiro,  
Morris, Lawrence R.,  
Mreiden, T.,  
Mullins, R.,

**N**

Najarian, John,  
Navickas, Irene A.,  
Neelon, Francis A.,  
Neeman, Hana,  
Nelson, Jill D.,  
Nelson, Roger L.,  
Nerup, J.,  
Nicolini, U.,

**O**

Oakley, N. W.,  
O'Dea, Kerin,  
Ogata, Edward S.,

- Ohlsen, P., 88, 94, 178  
 Olefsky, Jerrold M., 390, 575  
 O'Malley, Linda, 38  
 Oppermann, Werner, 465  
 Ortega, Theresa, 242  
 Ostuzzi, Roberto, 46  
 O'Sullivan, John B., 437, 482, 565  
 O'Sullivan, Mary Jo, 69, 433
- P**  
 Pachi, Antonio, 202  
 Padilla, Alfred J., 568  
 Page, M. McB., 672  
 Palumbo, P. J., 650  
 Parboosingh, J., 371  
 Parsons, J. A., 290  
 Peacock, Ian, 150  
 Pedretti, E., 489  
 Pedullà, Carmelo, 202  
 Penny, Mary E., 204  
 Perlman, K., 338  
 Peterson, Charles M., 63, 82, 318, 586  
 Peth, Steven B., 503  
 Pettitt, David J., 458  
 Phelps, Richard L., 402, 425  
 Phillips, John, 611  
 Phillips, M. A., 171  
 Pickup, J. C., 290  
 Pitkin, Roy M., 472  
 Piwnetz, K., 309  
 Platt, Orah S., 590  
 Prescott, Robin J., 245  
 Prestele, K., 362  
 Prosl, Frank R., 351
- R**  
 Rawlings, Sharon S., 503  
 Renner, R., 309  
 Reuben, S. R., 27  
 Rhodes, Ann, 201  
 Rizza, R. A., 278  
 Robertson, Euan G., 69  
 Rohde, Thomas D., 351  
 Rojdmarm, Sven, 255  
 Rønn, B., 659  
 Rosenbloom, Arlan L., 397, 640  
 Rosenblum, D. H., 178  
 Roversi, G. D., 489  
 Rubin, P., 659  
 Rublein, Thomas G., 351  
 Ruffeth, Peter W., 568  
 Runyan, John W., Jr., 382  
 Russo, Alessandro, 202
- S**  
 Sacerdote, Alan, 205  
 Sajo, I., 569  
 Santiago, J., 184
- Scarciotta, Onorina, 202  
 Schachter, L., 184  
 Schade, David S., 9, 229, 242, 270, 314, 345  
 Schiffrin, Alicia, 643  
 Schneider, Jack M., 77  
 Schulman, Patricia K., 495  
 Schumacher, Georgia, 155  
 Schwartz, Robert, 430  
 Scuro, Ludovico A., 46  
 Self, Timothy H., 44, 567  
 Service, F. John, 58, 278  
 Sestoft, L., 675  
 Sherwin, Robert S., 261, 301  
 Shuman, Charles R., 682  
 Shuster, Joseph, 703  
 Sieling, Beverly, 38  
 Siminerio, Linda, 535  
 Simpson, R. W., 171, 607  
 Sive, Alan A., 515  
 Skakoon, James G., 351  
 Skyler, Denise L., 69  
 Skyler, Jay S., 69, 198, 369, 395, 433, 563, 599, 638, 709  
 Slavotinek, Anthony H., 537  
 Soler, Norman G., 200  
 Sönksen, P. H., 100, 134  
 Sosenko, Jay M., 590  
 Sowers, Dilek K., 655  
 Sowers, James R., 655  
 Spargo, Randolph M., 31  
 Spencer, William, 9, 314, 345  
 Standefer, James C., 270  
 Standl, Eberhard, 207  
 Steel, J. M., 371, 557  
 Stober, Judy A., 250  
 Stone, Neil J., 706  
 Sulway, Martyn, 108  
 Sunder, J. H., 88, 178  
 Susa, John, 430  
 Svendsen, P. Aaby, 659  
 Szablowska, Sylvia, 526
- T**  
 Tam, S-C., 569  
 Tamborlane, William V., 301  
 Tattersall, Robert, 150  
 Temes, R., 184  
 Tonks, D. B., 508  
 Topper, Eithan, 175  
 Traisman, Howard S., 706  
 Transbøl, I., 41  
 Tronconi, G., 489  
 Tuck, Michael L., 655  
 Tucker, Elton M., 351  
 Tupling, Hilary, 108  
 Turner, R. C., 171, 607
- U**  
 Urenda, R. S., 345

**V**

Vander Zwaag, Roger,  
 Varco, Richard L.,  
 Viberti, G. C.,  
 Vinik, Arthur I.,

**W**

Wahl, Patricia W.,  
 Walford, Simon,  
 Walker, Beth,  
 Waltman, S. R.,  
 Wantz, George A.,  
 Ward, E. A.,  
 Ward, G. M.,  
 Warth, Maria R.,  
 Webb, James L.,  
 Webb, Karen,  
 Welborn, T. A.,  
 West, Kelly M.,

382	Wester, Vicki L.,	44, 567
351	Westland, R. E.,	278
290	Wheat, L. Joseph,	187
515	Wheeler, Lawrence A.,	663
	Wheeler, Madelyn L.,	663
	White, M. C.,	290
	White, Priscilla,	394
416	Wigness, Bruce D.,	351
150, 672	Williams, John R., Jr.,	160
503	Winter, Robert J.,	387, 706
184	Wright, A. D.,	204
586		
171	<b>Y</b>	
171	Yamashita, Toyoko S.,	453
416		
703	<b>Z</b>	
108	Zeidler, Adina,	274
679	Zinman, Bernard,	1, 322, 332, 704
250, 641		

